

**IN THE CLAIMS:**

Please amend the claims as follows:

1.     **(Currently Amended)**     A substrate processing apparatus comprising:  
  
        a chamber having a container and an upper lid for closing an opening of the container, wherein the upper lid includes an electron beam irradiating part disposed in a center thereof; and  
  
        an elevator for moving the upper lid, disposed integrally with the chamber;  
  
        wherein the elevator includes a driving source mounted on and moving together with the upper lid, and wherein the driving source outputs a driving force to move the upper lid.
2.     **(Currently Amended)**     A substrate processing apparatus according to claim 1, wherein the opening is provided on top of the container; and wherein the elevator is disposed between the upper lid and the container ~~on an upper side of the chamber.~~
3.     **(Currently Amended)**     A substrate processing apparatus according to claim 2, wherein the elevator has:  
  
        a first pole erected from an upper part ~~side~~ of the container so as to extend vertically;  
  
        ~~a driving source, attached to the upper lid, for outputting a predetermined turning force; and~~  
  
        a power converting mechanism for converting the driving ~~turning~~ force outputted from the driving source into a vertical force for vertically moving the upper lid along the first pole.

4. **(Original)** A substrate processing apparatus according to claim 3, wherein the power converting mechanism includes:

a first tubular member inserted onto the first pole and held by the upper lid so as to be rotatable about the first pole;

a first thread provided on an inner face of the first tubular member; and

a second thread provided on a surface of the first pole and adapted to engage the first thread.

5. **(Currently Amended)** A substrate processing apparatus according to claim 4, wherein the elevator further has:

a second pole erected from the upper part side of the container so as to extend vertically;

a second tubular member inserted onto the second pole and held by the upper lid so as to be rotatable about the second pole;

a third thread provided on an inner face of the second tubular member;

a fourth thread provided on a surface of the second pole and adapted to engage the third thread; and

a power transmitting mechanism, disposed between the first and second tubular members, for rotating the second tubular member in synchronization with the first tubular member.

6. **(Original)** A substrate processing apparatus according to claim 3, further comprising a tubular cover detachably attached to the first pole so as to cover the surface of the first pole.

7. **(Previously Presented)** A substrate processing apparatus according to claim 1, wherein the chamber further comprises a substrate holding part for positioning and holding a substrate and wherein the electron beam irradiating part irradiates the substrate with an electron beam.

Claim 8 **(Canceled)**.

9. **(New)** A substrate processing apparatus according to claim 1, wherein the driving source includes a motor.

10. **(New)** A substrate processing apparatus according to claim 5, wherein the power transmitting mechanism includes a timing belt.

11. **(New)** A substrate processing apparatus comprising:  
a chamber having a container and an upper lid for closing an opening of the container;  
a first threaded pole erected from an upper part of the container so as to extend vertically;  
a first tubular member inserted onto and threadably engaged with the first threaded pole; and  
a motor, mounted on and moving together with the upper lid, for rotating the first tubular member about the first threaded pole,  
wherein the first tubular member is held by the upper lid so as to be rotatable about the first threaded pole and the upper lid moves vertically along the first threaded pole when the motor rotates the first tubular member about the first threaded pole.

12.   **(New)**       A substrate processing apparatus according to claim 11,  
further comprising:

        a second threaded pole erected from an upper part of the container so as to  
extend vertically;

        a second tubular member inserted onto and threadably engaged with the second  
threaded pole; and

        a timing belt disposed between the first and second tubular members, for rotating  
the second tubular member in synchronization with the first tubular member;

        wherein the second tubular member is held by the upper lid so as to be rotatable  
about the second threaded pole and the upper lid moves vertically along the first and  
second threaded poles when the motor rotates the first tubular member about the first  
threaded pole and the timing belt rotates the second tubular member about the second  
threaded pole.